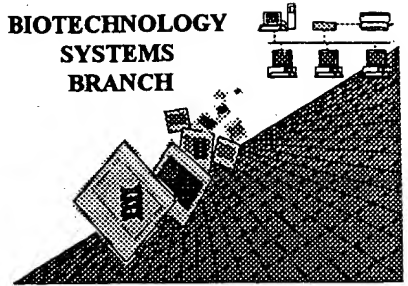


0200

RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/421,213
Art Unit / Team No. : 01PE
Date Processed by STIC: 11/9/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

PAGE: 1

RAW SEQUENCE LISTING PATENT APPLICATION US/09/421,213

DATE: 11/09/1999

TIME: 11:24:18

Input Set: I421213.RAW

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

1 <110> O'Brien, Timothy J.
2 <120> TADG-15: An Extracellular Serine Protease
3 Overexpressed in Breast and Ovarian Carcinomas
4 <130> D6064CIP
5 <141> 1999-10-20
6 <150> 09/027,337
7 <151> 02-20-1998
8 <160> 98
9 <170> WORD 6.0.1 for Macintosh

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES FOLLOW

E-->

| | | |
|----|--|-----------|
| 10 | <210> 9 | |
| 11 | <211> 2900 | |
| 12 | <212> DNA | |
| 13 | <213> Homo sapiens | |
| 14 | <220> | |
| 15 | <223> SNC-19; GeneBank Accession No. #U20428 | |
| 16 | <400> 9 | |
| 17 | cgctgggttg tgctggcagc cgtgctgac ggctctctct tggctcttgc ggggatcggc | 60 |
| 18 | ttcctgggtg ggcatttgca gtaccgggac gtgcgtgtcc agaaggtctt caatggctac | 120 atgag |
| 19 | gtaagcctgg ccagcaaggt gaaggacgag ctgaagctgc tgtacagcgg agtcccatc | 240 |
| 20 | ctgggcccct accacaagga gtcggctgtg acggccttca gcgaggcag cgtcatcgcc | 300 |
| 21 | tactactggt ctgagttcag catcccgag cacctggttg aggaggccga gcgcgtcatg | 360 |
| 22 | gccaggagcg cgtagtcag ctgccccgc gggcgcgctc cctgaagtcc tttgtggtca | 420 |
| 23 | cctcagtggg ggctttcccc acggactcca aaacagtaca gaggaccag gacaacagct | 480 |
| 24 | gcagctttgg cctgcacgcc gcggtgtgga gctgatgcgc ttcaccacgc cggcttccct | 540 |
| 25 | gacagcccct acccgctca tggcgctgc cagtgggctg cggggacgag acgcagtgc | 600 |
| 26 | gagctactcg agctgactcg cagcttgact gcgcctcgac gagcgcgga gcgacctggt | 660 |
| 27 | gacgtgtaca acacctgag ccccatggag cccacgcct ggtgagtgtg tggcacctac | 720 |
| 28 | cctccctcct acaacctgac cttccactcc ctcccacgaa cgtcctgctc atcacactga | 780 |
| 29 | taaccaacac tgacgcgga tccccgcttt gagggcacct tcttcagct gcctaggatg | 840 |
| 30 | agcagctgtg gagggcgctt acgtaaagcc caggggacat tcaacagccc ctactaccca | 900 |
| 31 | ggccactacc caccacat tgactgcaca tggaaaattg aggtgccccaa caaccagcat | 960 |
| 32 | gtgaagggtg gcttcaaatt cttctacctg ctggagcccc gcgtgcctgc gggcacctgc | 1020 |
| 33 | cccaaggact acgtggagat caatggggag aaatactgag gagagaggtc ccagttcgctc | 1080 |
| 34 | gtcaccagca acagcaacaa gatcacagtt cgcttccact cagatcagtc ctacaccgac | 1140 |
| 35 | accggttct tagctgaata cctctctac gactccagtg acccatgccc ggggcagttc | 1200 |
| 36 | acgtgccgca cggggcggtg tatccggaag gagctgcgct gtgatggctg ggcgactgca | 1260 |
| 37 | ccgaccagag cgatgagctc aactgcagtt gcgacgccg ccaccagttc acgtgcaaga | 1320 |
| 38 | gcaagttctg caagctcttc tgggtctgag acagtgtgaa cgagtgcgga gacaacagcg | 1380 |
| 39 | acgagcaggg ttgcatttgt ccggaccag accttcaggt gttccaatgg gaagtgcctc | 1440 |

insert a hard return here

PAGE: 2

RAW SEQUENCE LISTING PATENT APPLICATION US/09/421,213

DATE: 11/09/1999

TIME: 11:24:18

Input Set: I421213.RAW

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40      tcgaaaagcc agcagtgcaa tgggaaggac gactgtgggg acgggtccga cgaggcctcc 1500
41      tgccccaagg tgaacgtcgt cacttgtacc aaacacacct accgctgcct caatgggctc 1560
42      tgcttgagca agggcaaccc tgagtgtgac gggaaggagg actgtagcga cggctcagat 1620
43      gagaaggact gcgactgtgg gctgcgggtca ttcacgagac aggcctcgtg tgttgggggc 1680
44      acggatgcgg atgagggcga gtggccctgg caggtaagcc tgcagtctct gggccagggc 1740
45      cacatctgcg gtgcttcctt catctctccc aactggctgg tctctgcgcg acactgctac 1800
46      atcgatgaca gaggattcag gtactcagac cccacgcagg acggccttcc tgggcttgca 1860
47      cgaccagagc cagcgcaggc cctgggggtgc aggagcgcag gctcaagcgc atcatctccc 1920
48      accccttctt caatgacttc accttcgact atgacatcgc gctgctggag ctggagaaac 1980
49      cggcagagta cagctccatg gtgcggccca tctgcctgcc ggacgcctgc catgtcttcc 2040
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51      cgctgactct gcaaaagggg gagatccgcg tcatcaacca gaccacctgc gagaacctcc 2160
52      tgccgcagca gatcacgccg cgcagtatgt gcgtgggctt cctcagcggc ggcgtggact 2220
53      cctgccaggg tgattccggg ggacccctgt ccagcgtgga ggcggatggg cggatcttcc 2280
54      aggccgggtg ggtgagctgg ggagacgctg cgctcagagg aacaagccag gcgtgtacac 2340
55      aaggctccct ctgtttcggg aatggatcaa agagaacact ggggtatagg ggccggggcc 2400
56      acccaaagt gtacacctgc ggggccaccc atcgtccacc ccagtgtgca cgcctgcagg 2460
57      ctggagactc gcgcaccgtg acctgcacca gcgcccaga acatacactg tgaactcatc 2520
58      tccaggctca aatctgctag aaaacctctc gcttctcag cctccaaagt ggagctggga 2580
59      gggtagaagg ggaggaacac tgggtgttct actgacccaa ctggggcaag gtttgaagca 2640
60      cagctccggc agcccaagtg ggcgaggacg cgtttgtgca tactgccttg ctctatacac 2700
61      ggaagacctg gatctctagt gagtgtgact gccggtctg gctgtggtcc ttggccacgc 2760
62      ttcttgagga agcccaggct cggaggaccc tggaaaacag acgggtctga gactgaaaat 2820
63      ggtttaccag ctcccagggt acttcagtgt gtgtattgtg taaatgagta aaacatttta 2880
64      tttcttttta aaaaaaaaaa                                2900

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E-->

```

65      <210> 10
66      <211> 922 902 shown (p. 5)
67      <212> PRT
68      <213> Mus musculus
69      <220>
70      <223> Epithin
71      <400> 10
72      Met Gly Ser Asn Arg Gly Arg Lys Ala Gly Gly Gly Ser Gln Asp
73              5                                10                                15
74      Phe Gly Ala Gly Leu Lys Tyr Asp Ser Arg Leu Glu Asn Met Asn
75              20                                25                                30
76      Gly Phe Glu Glu Gly Val Glu Phe Leu Pro Ala Asn Asn Ala Lys
77              35                                40                                45
78      Lys Val Glu Lys Arg Gly Pro Arg Arg Trp Val Val Leu Val Ala
79              50                                55                                60
80      Val Leu Phe Ser Phe Leu Leu Leu Ser Leu Met Ala Gly Leu Leu
81              65                                70                                75
82      Val Trp His Phe His Tyr Arg Asn Val Arg Val Gln Lys Val Phe
83              80                                85                                90
84      Asn Gly His Leu Arg Ile Thr Asn Glu Ile Phe Leu Asp Ala Tyr
85              95                                100                               105
86      Glu Asn Ser Thr Ser Thr Glu Phe Ile Ser Leu Ala Ser Gln Val
87              110                               115                               120
88      Lys Glu Ala Leu Lys Leu Leu Tyr Asn Glu Val Pro Val Leu Gly

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/421,213

DATE: 11/09/1999

TIME: 11:24:18

Input Set: I421213.RAW

| | | | | | | |
|-----|-----------------|---------------------|-------------------------|-----|--|-----|
| 89 | | 125 | | 130 | | 135 |
| 90 | Pro Tyr His Lys | Lys Ser Ala Val Thr | Ala Phe Ser Glu Gly Ser | | | |
| 91 | | 140 | | 145 | | 150 |
| 92 | Val Ile Ala Tyr | Tyr Trp Ser Glu Phe | Ser Ile Pro Pro His Leu | | | |
| 93 | | 155 | | 160 | | 165 |
| 94 | Ala Glu Glu Val | Asp Arg Ala Met Ala | Val Glu Arg Val Val Thr | | | |
| 95 | | 170 | | 175 | | 180 |
| 96 | Leu Pro Pro Arg | Ala Arg Ala Leu Lys | Ser Phe Val Leu Thr Ser | | | |
| 97 | | 185 | | 190 | | 195 |
| 98 | Val Val Ala Phe | Pro Ile Asp Pro Arg | Met Leu Gln Arg Thr Gln | | | |
| 99 | | 200 | | 205 | | 210 |
| 100 | Asp Asn Ser Cys | Ser Phe Ala Leu His | Ala His Gly Ala Ala Val | | | |
| 101 | | 215 | | 220 | | 225 |
| 102 | Thr Arg Phe Thr | Thr Pro Gly Phe Pro | Asn Ser Pro Tyr Pro Ala | | | |
| 103 | | 230 | | 235 | | 240 |
| 104 | His Ala Arg Cys | Gln Trp Val Leu Arg | Gly Asp Ala Asp Ser Val | | | |
| 105 | | 245 | | 250 | | 255 |
| 106 | Leu Ser Leu Thr | Phe Arg Ser Phe Asp | Val Ala Pro Cys Asp Glu | | | |
| 107 | | 260 | | 265 | | 270 |
| 108 | His Gly Ser Asp | Leu Val Thr Val Tyr | Asp Ser Leu Ser Pro Met | | | |
| 109 | | 275 | | 280 | | 285 |
| 110 | Glu Pro His Ala | Val Val Arg Leu Cys | Gly Thr Phe Ser Pro Ser | | | |
| 111 | | 290 | | 295 | | 300 |
| 112 | Tyr Asn Leu Thr | Phe Leu Ser Ser Gln | Asn Val Phe Leu Val Thr | | | |
| 113 | | 305 | | 310 | | 315 |
| 114 | Leu Ile Thr Asn | Thr Gly Arg Arg His | Leu Gly Phe Glu Ala Thr | | | |
| 115 | | 320 | | 325 | | 330 |
| 116 | Phe Phe Gln Leu | Pro Lys Met Ser Ser | Cys Gly Gly Val Leu Ser | | | |
| 117 | | 335 | | 340 | | 345 |
| 118 | Asp Thr Gln Gly | Thr Phe Ser Ser Pro | Tyr Tyr Pro Gly His Tyr | | | |
| 119 | | 350 | | 355 | | 360 |
| 120 | Pro Pro Asn Ile | Asn Cys Thr Trp Asn | Ile Lys Val Pro Asn Asn | | | |
| 121 | | 365 | | 370 | | 375 |
| 122 | Arg Asn Val Lys | Val Arg Phe Lys Leu | Phe Tyr Leu Val Asp Pro | | | |
| 123 | | 380 | | 385 | | 390 |
| 124 | Asn Val Pro Val | Gly Ser Cys Thr Lys | Asp Tyr Val Glu Ile Asn | | | |
| 125 | | 395 | | 400 | | 405 |
| 126 | Gly Glu Lys Gly | Ser Gly Glu Arg Ser | Gln Phe Val Val Ser Ser | | | |
| 127 | | 410 | | 415 | | 420 |
| 128 | Asn Ser Ser Lys | Ile Thr Val His Phe | His Ser Asp His Ser Tyr | | | |
| 129 | | 425 | | 430 | | 435 |
| 130 | Thr Asp Thr Gly | Phe Leu Ala Glu Tyr | Leu Ser Tyr Asp Ser Asn | | | |
| 131 | | 440 | | 445 | | 450 |
| 132 | Asp Pro Cys Pro | Gly Met Phe Met Cys | Lys Thr Gly Arg Cys Ile | | | |
| 133 | | 455 | | 460 | | 465 |
| 134 | Arg Lys Glu Leu | Arg Cys Asp Gly Trp | Ala Asp Cys Pro Asp Tyr | | | |
| 135 | | 470 | | 475 | | 480 |
| 136 | Ser Asp Glu Arg | Tyr Cys Arg Cys Asn | Ala Thr His Gln Phe Thr | | | |
| 137 | | 485 | | 490 | | 495 |
| 138 | Cys Lys Asn Gln | Phe Cys Lys Pro Leu | Phe Trp Val Cys Asp Ser | | | |

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RAW SEQUENCE LISTING
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Input Set: I421213.RAW

| | | | | | | |
|-----|-------------------------------------|-------------------------|--|-----|--|-----|
| 139 | | 500 | | 505 | | 510 |
| 140 | Val Asn Asp Cys Gly Asp Gly Ser Asp | Glu Glu Gly Cys Ser Cys | | | | |
| 141 | | 515 | | 520 | | 525 |
| 142 | Pro Ala Gly Ser Phe Lys Cys Ser Asn | Gly Lys Cys Leu Pro Gln | | | | |
| 143 | | 530 | | 535 | | 540 |
| 144 | Ser Gln Lys Cys Asn Gly Lys Asp Asn | Cys Gly Asp Gly Ser Asp | | | | |
| 145 | | 545 | | 550 | | 555 |
| 146 | Glu Ala Ser Cys Asp Ser Val Asn Val | Val Ser Cys Thr Lys Tyr | | | | |
| 147 | | 560 | | 565 | | 570 |
| 148 | Thr Tyr Arg Cys Gln Asn Gly Leu Cys | Leu Ser Lys Gly Asn Pro | | | | |
| 149 | | 575 | | 580 | | 585 |
| 150 | Glu Cys Asp Gly Lys Thr Asp Cys Ser | Asp Gly Ser Asp Glu Lys | | | | |
| 151 | | 590 | | 595 | | 600 |
| 152 | Asn Cys Asp Cys Gly Leu Arg Ser Phe | Thr Lys Gln Ala Arg Val | | | | |
| 153 | | 605 | | 610 | | 615 |
| 154 | Val Gly Gly Thr Asn Ala Asp Glu Gly | Glu Trp Pro Trp Gln Val | | | | |
| 155 | | 620 | | 625 | | 630 |
| 156 | Ser Leu His Ala Leu Gly Gln Gly His | Leu Cys Gly Ala Ser Leu | | | | |
| 157 | | 635 | | 640 | | 645 |
| 158 | Ile Ser Pro Asp Trp Leu Val Ser Ala | Ala His Cys Phe Gln Asp | | | | |
| 159 | | 650 | | 655 | | 660 |
| 160 | Asp Lys Asn Phe Lys Tyr Ser Asp Tyr | Thr Met Trp Thr Ala Phe | | | | |
| 161 | | 665 | | 670 | | 675 |
| 162 | Leu Gly Leu Leu Asp Gln Ser Lys Arg | Ser Ala Ser Gly Val Gln | | | | |
| 163 | | 680 | | 685 | | 690 |
| 164 | Glu Leu Lys Leu Lys Arg Ile Ile Thr | His Pro Ser Phe Asn Asp | | | | |
| 165 | | 695 | | 700 | | 705 |
| 166 | Phe Thr Phe Asp Tyr Asp Ile Ala Leu | Leu Glu Leu Glu Lys Ser | | | | |
| 167 | | 710 | | 715 | | 720 |
| 168 | Val Glu Tyr Ser Thr Val Val Arg Pro | Ile Cys Leu Pro Asp Ala | | | | |
| 169 | | 725 | | 730 | | 735 |
| 170 | Thr His Val Phe Pro Ala Gly Lys Ala | Ile Trp Val Thr Gly Trp | | | | |
| 171 | | 740 | | 745 | | 750 |
| 172 | Gly His Thr Lys Glu Gly Gly Thr Gly | Ala Leu Ile Leu Gln Lys | | | | |
| 173 | | 755 | | 760 | | 765 |
| 174 | Gly Glu Ile Arg Val Ile Asn Gln Thr | Thr Cys Glu Asp Leu Met | | | | |
| 175 | | 770 | | 775 | | 780 |
| 176 | Pro Gln Gln Ile Thr Pro Arg Met Met | Cys Val Gly Phe Leu Ser | | | | |
| 177 | | 785 | | 790 | | 795 |
| 178 | Gly Gly Val Asp Ser Cys Gln Gly Asp | Ser Gly Gly Pro Leu Ser | | | | |
| 179 | | 800 | | 805 | | 810 |
| 180 | Ser Ala Glu Lys Asp Gly Arg Met Phe | Gln Ala Gly Val Val Ser | | | | |
| 181 | | 815 | | 820 | | 825 |
| 182 | Trp Gly Glu Gly Cys Ala Gln Arg Asn | Lys Pro Gly Val Tyr Thr | | | | |
| 183 | | 830 | | 835 | | 840 |
| 184 | Arg Leu Pro Cys Ser Ser Gly Leu Asp | Gln Arg Ala His Trp Gly | | | | |
| 185 | | 845 | | 850 | | 855 |
| 186 | Ile Ala Ala Trp Thr Asp Ser Arg Pro | Gln Thr Pro Thr Gly Met | | | | |
| 187 | | 860 | | 865 | | 870 |
| 188 | Pro Asp Met His Thr Trp Ile Gln Glu | Arg Asn Thr Asp Asp Ile | | | | |

DATE: 11/09/1999
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Input Set: I421213.RAW

189 875 900 880 905 885
190 Tyr Ala Val Ala Ser Pro Pro Gln His Asn Pro Asp Cys Glu Leu
191 910 890 915 895 920 900
192 His Pro

VERIFICATION SUMMARY
PATENT APPLICATION US/09/421,213DATE: 11/09/1999
TIME: 11:24:18

Input Set: I421213.RAW

| Line | Error/Warning | Original Text |
|------|---|---|
| 18 | E Number of Bases conflict w/ Running Total | ttcctggtgt ggcatttgca gtaccgggac gtgcgtgt |
| 18 | E Wrong Nucleic Acid Designator | ttcctggtgt ggcatttgca gtaccgggac gtgcgtgt |
| 18 | E Wrong Nucleic Acid Designator | ttcctggtgt ggcatttgca gtaccgggac gtgcgtgt |
| 18 | E Wrong Nucleic Acid Designator | ttcctggtgt ggcatttgca gtaccgggac gtgcgtgt |
| 66 | E Input 922, Calc Seq.Length 902 differ | <211> 922 |